

Some questions about loops:

1. Check if a number is a prime or not using **for** statement.
2. Calculate this series using **while** statement:

$$Y = \frac{1}{2!} + \frac{2}{3!} + \frac{3}{4!} + \cdots + \frac{n}{(n+1)!}$$

3. Print this pattern using **do while** statement:

5 5 5 5 5

4 4 4 4

3 3 3

2 2

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